

# ABSTRACT

The injector has a cylindrical body, which houses an injection nozzle regulated by an injection valve  
5 provided with a moveable pin, a fuel supply channel, an injection chamber communicating with the fuel supply channel housing a lower portion of the pin and delimited at the bottom by a valve seat for the injection valve, a control chamber communicating with the fuel supply  
10 channel and housing an upper portion of the pin, and a control valve, which is of the poppet type and is actuated by an electromagnetic actuator in order to move between a closed position and an open position, in which it puts the control chamber in communication with a low-  
15 pressure fuel exhaust passage.